

ABSTRACT

A network address for an object device is corrected. A recorded network address and a recorded unique enduring identification for the object device are read from a record. The recorded network address is queried for a returned
5 unique enduring identification. The recorded network address is queried by performing an SNMP Get call to the recorded network address or addressing a unique enduring identification query to the recorded network address and receiving the response to the query. The returned unique enduring identification is compared with the recorded unique enduring identification. Responsive to a
10 mismatch between the returned unique enduring identification and the recorded unique enduring identification, a current network address for the object device is resolved and the recorded network address is replaced with the current network address. The current network address for the object device is resolved by either reading, from the record, a recorded hostname for the object device and
15 retrieving the current network address for the recorded hostname or by reading, from the record, a recorded hardware address for the object device, sending a network multicast request for hardware addresses, receiving responses to the network multicast for hardware addresses, searching the responses for a response having a match to the recorded hardware address, and extracting the
20 current network address from the response having a match to the recorded hardware address.